

PENDING CLAIMS

1. (Previously Presented) In a wireless communication system supporting a broadcast service, a method comprising:

providing a BCMCS ID to identify the broadcast service, wherein an IP multicast address and UDP port number are associated with said BCMCS_ID;
sending the BCMCS ID to a base station;
configuring a broadcast service parameters message at the base station that includes the BCMCS ID;
transmitting the broadcast service parameters message to a mobile station; and
using the BCMCS ID in the broadcast service parameters message at the mobile station to determine availability of the broadcast service in an adjacent sector.

2. (Original) The method as in claim 1, wherein the broadcast service is transmitted by a content server.

3. (Original) The method as in claim 2, wherein the broadcast service has a service name.

4. (Previously Presented) The method as in claim 3, further comprising requesting by the content server the BCMCS_ID from a global issuer.

5. (Previously Presented) The method as in claim 3, wherein the BCMCS_ID is a globally unique BCMCS_ID issued by a global issuer.

Claims 6-7. (Cancelled)

8. (Previously Presented) The method as in claim 5, further comprising dynamically generating a BCMCS_ID and associating a lifetime value with the BCMCS_ID.

9. (Previously Presented) The method as in claim 3, further comprising requesting by the content server the BCMCS_ID from a local issuer.

10. (Previously Presented) The method as in claim 3, wherein the BCMCS_ID is a locally unique BCMCS_ID issued by a local issuer.

Claims 11-12. (Cancelled)

13. (Original) The method as in claim 10, further comprising dynamically generating a BCMCS_ID and associating a lifetime value with the BCMCS_ID.

Claim 14. (Cancelled)

15. (Previously Presented) The method as in claim 1, wherein the BCMCS_ID is a dual BCMCS_ID comprising a global indicator to indicate uniqueness of the BCMCS_ID.

16. (Previously Presented) A base station for use in a wireless communication system supporting a broadcast service, wherein the base station is receiving a first broadcast service identified by a first service ID, wherein an IP multicast address and UDP port number are associated with a first BCMCS_ID and wherein the base station has a neighbor base station receiving a second broadcast service identified by a second service ID, wherein an IP multicast address and UDP port number are associated with a second BCMCS_ID, and wherein the base station is configured to implement a method comprising:

- receiving the second BCMCS_ID that identifies the second broadcast service;
- configuring neighbor configuration data that relates to the second broadcast service;
- configuring a broadcast service parameters message that includes the second BCMCS_ID and the neighbor configuration data; and
- transmitting the broadcast service parameters message to a mobile station currently receiving the first broadcast service.

17. (Original) The base station as in claim 16, wherein the first broadcast service and the second broadcast service are transmitted by content servers.

18. (Previously Presented) The base station as in claim 16, wherein the first BCMCS_ID was provided by a global issuer.

19. (Previously Presented) The base station as in claim 16, wherein the first BCMCS_ID is a globally unique BCMCS_ID issued by a global issuer.

Claims 20-21. (Cancelled)

22. (Previously Presented) The base station as in claim 16, wherein the first BCMCS_ID has an associated lifetime value.

23. (Previously Presented) The base station as in claim 16, wherein the first BCMCS_ID is a locally unique BCMCS_ID issued by a local issuer.

Claims 24-26. (Cancelled)

27. (Previously Presented) The base station as in claim 16, wherein the first BCMCS_ID is a dual BCMCS_ID comprising a global indicator to indicate uniqueness of the first BCMCS_ID.

28. (Previously Presented) A mobile station for use in a wireless communication system supporting a broadcast service, wherein the mobile station is in a first sector of a first base station approaching a second sector of a second base station, and wherein the mobile station is configured to implement a method comprising:

receiving a first broadcast service identified by a first BCMCS_ID from the first base station, wherein an IP multicast address and UDP port number are associated with said first BCMCS_ID;

receiving a broadcast service parameters message that includes a second BCMCS_ID and neighbor configuration data, wherein the second BCMCS_ID identifies a second broadcast service available in the second sector, and wherein the IP multicast address and UDP port number are associated with said second BCMCS_ID;

examining the neighbor configuration data that relates to the second broadcast service; and

determining, based on the neighbor configuration data, whether the first BCMCS_ID and the second BCMCS_ID identify the same broadcast content whereby reception of the broadcast content is continued in the second sector.

29. (Original) The mobile station as in claim 28, wherein the first broadcast service and the second broadcast service are transmitted by content servers.

30. (Previously Presented) The mobile station as in claim 28, wherein the first BCMCS_ID was provided by a global issuer.

31. (Previously Presented) The mobile station as in claim 28, wherein the first BCMCS_ID is a globally unique BCMCS_ID issued by a global issuer.

Claims 32-33. (Cancelled)

34. (Previously Presented) The mobile station as in claim 28, wherein the first BCMCS_ID has an associated lifetime value.

35. (Previously Presented) The mobile station as in claim 28, wherein the first BCMCS_ID is a locally unique BCMCS_ID issued by a local issuer.

Claim 36. (Cancelled)

37. (Previously Presented) The mobile station as in claim 28, wherein the first BCMCS_ID is a dual BCMCS_ID comprising a global indicator to indicate uniqueness of the first BCMCS_ID.

38. (Previously Presented) A wireless apparatus, comprising:

- means for providing a BCMCS ID to identify the broadcast service, wherein an IP multicast address and UDP port number are associated with said BCMCS_ID;
- means for sending the BCMCS ID to a base station;
- means for configuring a broadcast service parameters message at the base station that includes the BCMCS ID;
- means for transmitting the broadcast service parameters message to a mobile station;
- and
- means for using the BCMCS ID in the broadcast service parameters message at the mobile station to determine availability of the broadcast service in an adjacent sector.

Please add the following new claims 39-63:

39. (New) A method comprising:

- providing a BCMCS_ID comprising mapping information between an IP multicast address and a UDP port number associated with the broadcast service.

40. (New) The method as in claim 39, further comprising:

- sending the BCMCS ID to a base station;
- configuring a broadcast service parameters message at the base station that includes the BCMCS ID;
- transmitting the broadcast service parameters message to a mobile station; and
- using the BCMCS ID in the broadcast service parameters message at the mobile station to determine availability of the broadcast service in an adjacent sector.

40. (New) The method as in claim 39, wherein the broadcast service is transmitted by a content server.
41. (New) The method as in claim 40, wherein the broadcast service has a service name.
42. (New) The method as in claim 41, further comprising requesting by the content server the BCMCS_ID from a global issuer.
43. (New) The method as in claim 41, wherein the BCMCS_ID is a globally unique BCMCS_ID issued by a global issuer.
44. (New) The method as in claim 43, further comprising dynamically generating a BCMCS_ID and associating a lifetime value with the BCMCS_ID.
45. (New) The method as in claim 41, further comprising requesting by the content server the BCMCS_ID from a local issuer.
46. (New) The method as in claim 41, wherein the BCMCS_ID is a locally unique BCMCS_ID issued by a local issuer.
47. (New) The method as in claim 46, further comprising dynamically generating a BCMCS_ID and associating a lifetime value with the BCMCS_ID.
48. (New) The method as in claim 39, wherein the BCMCS_ID is a dual BCMCS_ID comprising a global indicator to indicate uniqueness of the BCMCS_ID.
49. (New) A base station for use in a wireless communication system supporting a broadcast service, wherein the base station is receiving a first broadcast service identified by a first service ID, wherein said BCMCS_ID comprises mapping information between an IP multicast address and UDP port number associated with a first broadcast service and wherein the base station has

a neighbor base station receiving a second broadcast service identified by a second service ID, wherein an IP multicast address and UDP port number are associated with a second broadcast service, and wherein the base station is configured to implement a method comprising:

receiving the second BCMCS_ID that identifies the second broadcast service;
configuring neighbor configuration data that relates to the second broadcast service;
configuring a broadcast service parameters message that includes the second BCMCS_ID and the neighbor configuration data; and
transmitting the broadcast service parameters message to a mobile station currently receiving the first broadcast service.

50. (New) The base station as in claim 49, wherein the first broadcast service and the second broadcast service are transmitted by content servers.

51. (New) The base station as in claim 49, wherein the first BCMCS_ID was provided by a global issuer.

52. (New) The base station as in claim 49, wherein the first BCMCS_ID is a globally unique BCMCS_ID issued by a global issuer.

53. (New) The base station as in claim 49, wherein the first BCMCS_ID has an associated lifetime value.

54. (New) The base station as in claim 49, wherein the first BCMCS_ID is a locally unique BCMCS_ID issued by a local issuer.

55. (New) The base station as in claim 49, wherein the first BCMCS_ID is a dual BCMCS_ID comprising a global indicator to indicate uniqueness of the first BCMCS_ID.

56. (New) A mobile station for use in a wireless communication system supporting a broadcast service, wherein the mobile station is in a first sector of a first base station approaching a second

sector of a second base station, and wherein the mobile station is configured to implement a method comprising:

- receiving a first broadcast service identified by a first BCMCS_ID from the first base station, wherein said first BCMCS_ID comprises mapping information between an IP multicast address and UDP port number associated with said first broadcast service;
- receiving a broadcast service parameters message that includes a second BCMCS_ID and neighbor configuration data, wherein the second BCMCS_ID identifies a second broadcast service available in the second sector, and wherein said second BCMCS_ID comprises mapping information between the IP multicast address and UDP port number associated with said second broadcast service;
- examining the neighbor configuration data that relates to the second broadcast service; and
- determining, based on the neighbor configuration data, whether the first BCMCS_ID and the second BCMCS_ID identify the same broadcast content whereby reception of the broadcast content is continued in the second sector.

57. (New) The mobile station as in claim 56, wherein the first broadcast service and the second broadcast service are transmitted by content servers.

58. (New) The mobile station as in claim 56, wherein the first BCMCS_ID was provided by a global issuer.

59. (New) The mobile station as in claim 56, wherein the first BCMCS_ID is a globally unique BCMCS_ID issued by a global issuer.

60. (New) The mobile station as in claim 56, wherein the first BCMCS_ID has an associated lifetime value.

61. (New) The mobile station as in claim 56, wherein the first BCMCS_ID is a locally unique BCMCS_ID issued by a local issuer.

62. (New) The mobile station as in claim 56, wherein the first BCMCS_ID is a dual BCMCS_ID comprising a global indicator to indicate uniqueness of the first BCMCS_ID.

63. (New) A wireless apparatus, comprising:

means for providing a BCMCS ID to identify the broadcast service, wherein said

BCMCS_ID comprises mapping information between an IP multicast address and UDP port number associated with said broadcast service;

means for sending the BCMCS ID to a base station;

means for configuring a broadcast service parameters message at the base station that includes the BCMCS ID;

means for transmitting the broadcast service parameters message to a mobile station;
and

means for using the BCMCS ID in the broadcast service parameters message at the mobile station to determine availability of the broadcast service in an adjacent sector.